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Published by
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- 2 24-inch Middlings Mills, almost new.
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- 8 Pair 48-inch Burr Millstones. New.
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- 1000 Pieces French Burr Millstone Blocks, extra quality.

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We are the first introducers of the Chilled Iron Rollers for milling purposes, and hold Letters Patent for the United States of America. For full particulars address as above.

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Water Wheel

IS THE BEST.

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Improved + Walsh + Double + Turbine



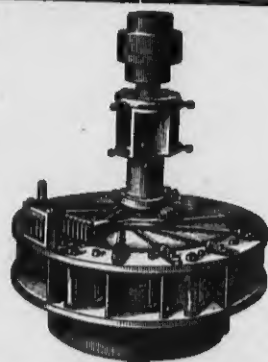
This wheel has a perfect fitting cylinder gate and draft tube combined, and allows no water to escape when closed.

POWER GUARANTEED

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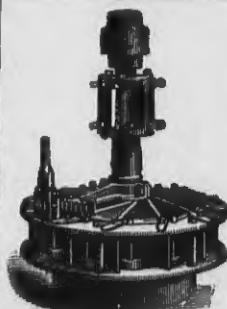
WATER WHEEL,

Pine New Pamphlet for 1887.

The "OLD RELIABLE" with Improvements, making it the Most Perfect Turbine now in use, comprising the Largest and the Smallest Wheels, under both the Highest and Lowest Heads in this country. Our new Pocket Wheel Book sent free. Address,

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Shipping Facilities the Best in all Directions.

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N. B.—Special attention given to Heavy Gearing for Pulp and Paper Mills.

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MILWAUKEE.

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201 NICOLLET AVENUE,
MINNEAPOLIS.

OAK TANNED LEATHER BELTING.

THE UNITED STATES MILLER.

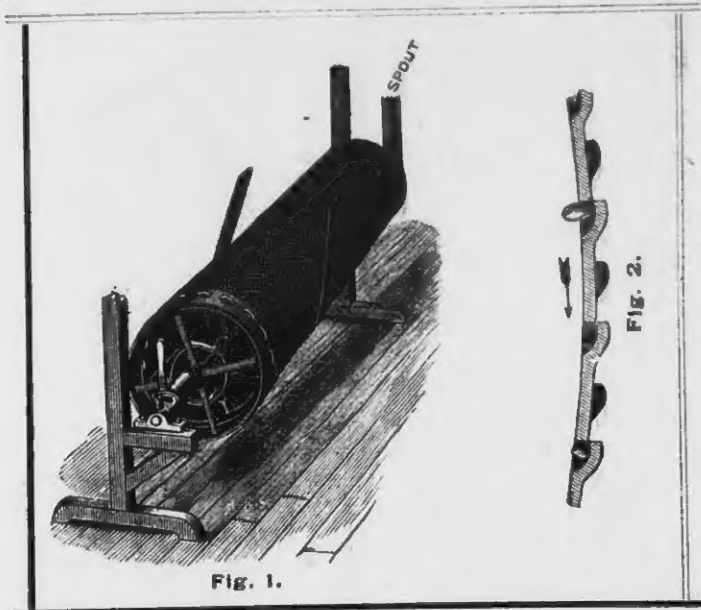


Fig. 2.

OUT herewith, FIG. 1, represents the PRINZ COCKLE MACHINE, single reel, without frame. FIG. 2, shows a section of the Indented Cylinder, and FIG. 3 is a large machine with grading reel. The inventor and manufacturer of this machine has had long and thorough experience in all departments of Grain Cleaning, and this Cockle Separator certainly has no superior. It is equally adapted to use in large or small mills, and the price is within the reach of all. The manufacturer has demonstrated that his machine removes more Cockle than other machines. It occupies but little space, and consequently any mill will have room enough in which to place it.

CONSTRUCTION.

The machine consists of a cylinder about 70 in. long and 16 in. diameter, mounted on a stationary shaft 8 1/2 in. long, which has to be supported at both ends—(either as seen in the cut, or it can be hung up under the ceiling or in any other suitable position.) Inside of the cylinder is a trough suspended on springs and agitated by the revolution of the cylinder itself, to receive the cockle which is carried up by the indentations of the cylinder and properly discharged into this trough. By the agitating motion of this trough the cockle is discharged at the front end of the cylinder. The wheat is entered at the end of the reel, and is rolling at the lower side of the same in the direction of the discharge, and by this rolling the cockle finds its way into the indentations and gets raised up and discharged into the trough. There is nothing complicated in the machine, consequently nothing can get out of order to make trouble and annoyance. It has only two bearings to oil, and if oiled once a day is all it needs, as it is running only at a speed of 18 revolutions.

The machine is entirely controlled by the operator, by a single lever seen at the front of the cut (Fig. 1), and it can be set either to take out any quantity of cockle, or if there is none in the wheat, it can be set to take out nothing. There is no machine in the market that has this device. The indentations are of a new design and protected by U. S. Letters Patent granted to F. PRINZ. This enables the manufacturer to indent sheet iron or steel plates, which are far superior in ensuring the durability of the machine than zinc, of which material all other cockle machines are now made. The machine is driven by simply taking a two-inch belt around the reel at any point. The Single Reel Machine (Fig. 1), has a capacity up to 80 bushels per hour. Cockle Cylinders are ALL made of the SAME SIZE and where greater capacity is required it is secured by a grading reel (patented by F. PRINZ), and guaranteed not to clog as other devices do, which separates the coarse grains of wheat, from the small wheat and cockle, and the latter (small wheat and cockle) will only go to the Cockle Cylinder for complete removal of the cockle. The Grading Reel are built of the proper size to furnish separated wheat and cockle for feeding one, two or more cylinders. All parts of this machine are very easily accessible, NOT ONE INSIDE ANOTHER and in a substantial frame, NO FAST MOTION, and very little power needed.

ALSO EXCLUSIVE MANUFACTURERS OF

Prinz's Patent Improved Smutter, and Prinz's Patent Combined Dustless Oats and Screenings Separator.

* PATENT

PRINZ'S

Improved Cockle Machine

THE VICTOR.

* SLOW MOTION. * * LITTLE POWER. *

PATENT *

READ THE FOLLOWING TESTIMONIALS.

"CENTENNIAL MILLS," EVANSVILLE, Ind., June 14, 1877.
FAUSTIN PRINZ & CO., MILWAUKEE, Wis.
 GENTLEMEN:—Inclosed please find check in payment of Cockle Machine sent us May 26, 1867. The Machine does its duty.
 Yours truly, **J. W. LAUBSCHER & BRO.**

Office of "PHOENIX FLOURING MILLS," Waukesha, Wis., March 17, 1887.
F. PRINZ, Esq.:
 DEAR SIR:—Yours of the 16th inst. at hand. In reply to inquiries as to how we like your combined separator and Cockle Machine, which we have now had running nearly a year, I can only say it is the boss. It displaced a well-known combined machine, and although yours was only guaranteed to do as much work as the one it displaced, I am glad to say it does THREE TIMES AS MUCH, and does it in first-class style. The old machine blew almost one-third of the scorings into the dust-room, while from yours we cannot find a kernel. The Oat Separator is as perfect as I have seen; the cockle it removes without wanting whole kernels of wheat; the suction is in perfect control of the miller; and last, though not least, it uses only half as much power as the machine it displaced. You are at liberty to use this recommendation, and if any brother millers wish to see the machine in operation, we shall be pleased to show them. Wishing you all possible success, I remain,
 Yours respectfully, **CHARLES G. DEISSNER.**

Office of GALESBURG ROLLER MILLS, GALESBURG, MICH., Nov. 17, 1887.
FAUSTIN PRINZ & CO., 650, 651 and 653 East Water St., Milwaukee, Wis.
 DEAR SIR:—The Cockle Machine arrived in good condition. I could not procure a millwright, but the connections of your machine are so complete. I went to it myself and put it in and had it running in less than four hours. I have no hesitation in saying that your Cockle Machine is the best that I ever handled, being entirely under control of the miller; it does all you claimed and more; it not only removes all the cockle, but scours the wheat and removes the dust to my utmost satisfaction. I consider it a mile for space and a monster for the work it accomplishes. I displaced a rolling screen for your machine and assure you it is a profitable change.
 Yours respectfully, **M. W. MORTON.**

Office of GEM MILLING COMPANY, Milwaukee, Wis.
Mr. F. PRINZ:
 We have used your No. 3 Combined Grader and Cockle Machine two months and are much pleased with its work. The objectionable features of our former machine, which required constant attention, owing to Grader sieve becoming clogged and allowing cockle, seed, etc., to pass over with the wheat, are ENTIRELY OBLIATED in your machine, the work being always uniform, owing to Grader reel keeping perfectly clean, consequently all seeds, cockle, etc. must enter Cockle cylinders which removes them in a thorough manner, taking out very little broken wheat. We can use one or two cylinders as condition of wheat requires, and with cut-off arrangement on Grader reel almost perfect separations can be made. Requires very little power and space, and we think a much more durable machine than we formerly used.
 Yours truly, **GEM MILLING CO. J. ZAHN, Supt.**

RELIANCE MILLS, Milwaukee, Dec. 19th, 1887.
Messrs. F. PRINZ & CO., City.
 GENTS:—The Grader and Cockle Machine you put in our mill three months ago in place of the Kurth Cockle Machine, has given the best of satisfaction, as our wheat is unusually full of cockle wild buckwheat and seed this year, is entirely cleaned from same by your machine without any loss of wheat. Respectfully yours, **C. MANFOLD & SON.**

Unequaled in Capacity and Simplicity. One Reel will Handle 16 to 20 Bushels per Hour.

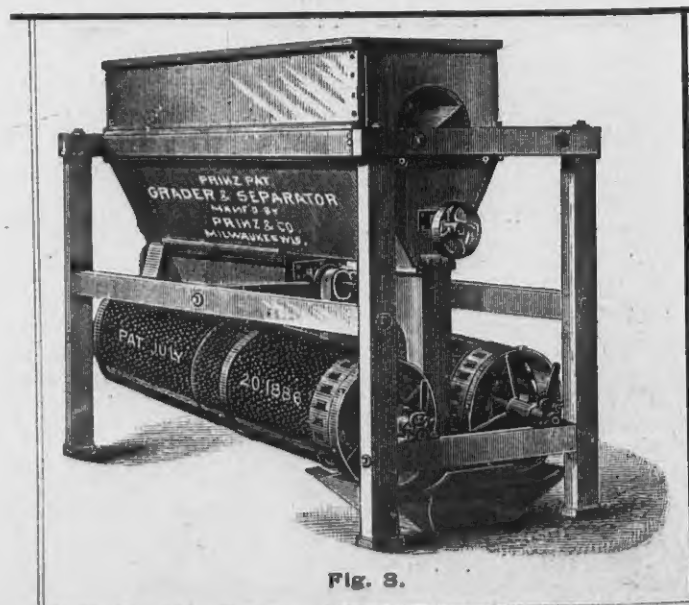


Fig. 3.

The United States Miller

Published by E. HARRISON CAWKER. VOL. 24, No. 2. MILWAUKEE AND CHICAGO, DEC., 1887.

TERMS: \$1.00 a Year in Advance. Single Copies, 10 Cents.

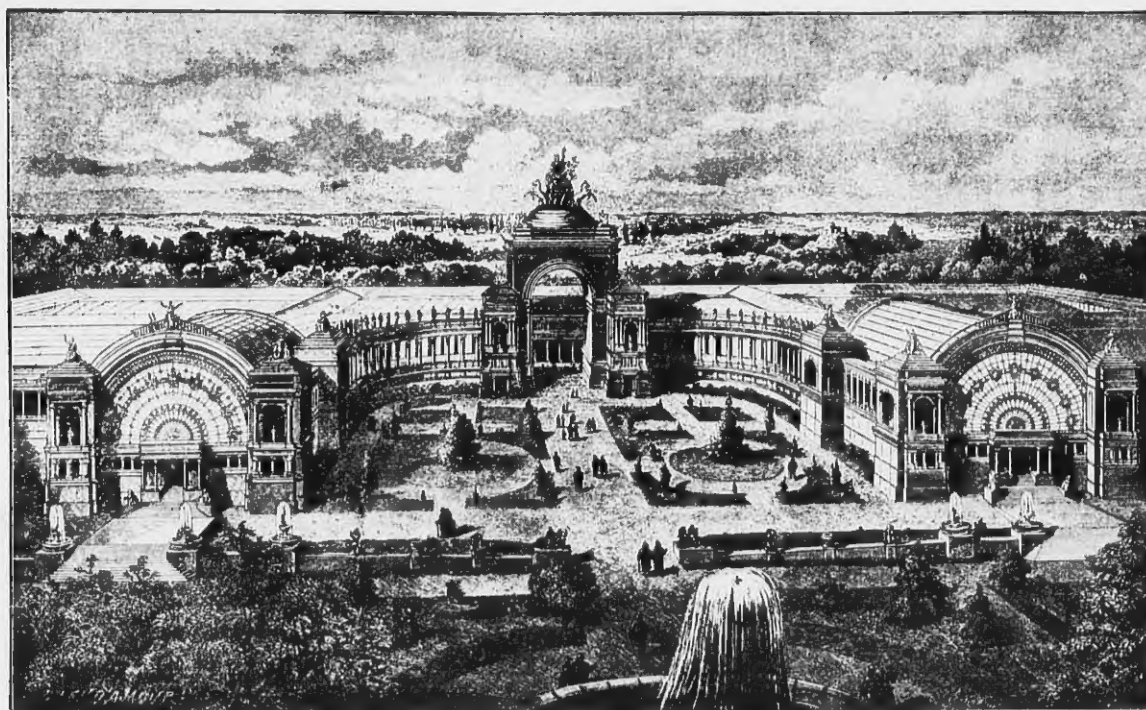
THE 1888 INTERNATIONAL EXHIBITION AT BRUSSELS, BELGIUM.

The above named exhibition will be opened to the public May 3d, 1888, and will be closed Nov. 3, 1888. All the principal nations of the Earth will send industrial, scientific and commercial property for exhibition. The Belgian Government will spare no pains to make this Exhibition a grand success. All applications for space must be made by Jan. 15, 1888, and all goods must be in place by April 25, 1888. Messrs. Armstrong, Knauer & Co., 822 and 824 Broadway, New York, N. Y., are the

named Fred. Wilson, Edw. A. Webster, Abraham Rogers and John Lee. The number of persons injured is over twenty. The cause of the explosion was that the sewers in the vicinity of the mill were filled with naphtha. During the day 14,000 gallons of naphtha were pumped from the Vacuum Oil Works through the pipe line in the bed of the old canal. It was intended for the Municipal Gas Co., but one or more breaks in the line allowed the naphtha to escape into the sewer, when the sewer became surcharged with the gas it escaped into the mills and exploded there as

DIED, Nov. 15, 1887, at Trautmannsdorf, near Vienna, Mr. Ignaz Seidl, one of the foremost millers of Europe, at the age of 62 years. He organized the Association of Austrian millers, was its first president and a member of its Council until time of his death.

A BREAD ASSIZE.—France is not the only country in which this old-world custom still flourishes. We read of a little German town in which the bakers have to lay before the chief commissioner of police a statement of their price and weight for the coming month, presumably after they have arrived at an



EXHIBITION BUILDING AND GROUNDS, BRUSSELS, BELGIUM.

authorized Agents of the Exhibition for the United States. It is to be hoped that American Manufacturers and Inventors will be well represented. The accompanying illustration shows a good view of the buildings and grounds.

GREAT LOSS OF LIFE AND MILLING PROPERTY.

About 4 P. M., Dec. 21, a number of naphtha explosions occurred in Rochester, N. Y., destroying J. G. Davis & Sons' Jefferson Roller Mills, 150 barrels capacity, (loss \$60,000, insurance \$25,000); The Washington Mill (J. A. Hinds, proprietor), loss \$80,000, insurance \$30,000; The Clinton Mills, loss \$75,000, insurance \$30,000, and J. Poole's mill, loss not stated. Four persons are reported dead,

elsewhere, and fire completed the work of destruction.

FOREIGN ITEMS.

THE Protection policy is steadily gaining ground in England. The question is being thoroughly discussed by all classes of people in all parts of the U. K.

THE MILLER, (London) in its December number says: "It has been remarked that there is a distinct tendency on the part of the millers of Great Britain towards adding the trade of baker to their own calling."

The scheme, though not new by any means, has always appeared to us to be a good one, and we do not know why it should not work well, to a limited extent in this country.

agreement among themselves. A copy of this price and weight table is then affixed on each bread shop, and any baker who sells contrary to its provisions that month is liable to a penalty.

OYSTER SHELL FLOUR.

We have received a specimen of Oyster Shell Flour from the mill of Messrs. C. Orem & Co., Cambridge, Md. It is simply finely pulverized oyster shells, and is sold for fertilizing purposes. The firm report a good demand at fair prices for all they can make. It is a little darker in color than what is known as "red-dog" flour. If it were generally known that oyster shell flour was a valuable fertilizer, the demand would be much greater than the supply.

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FLOUR, GRAIN,

FEED AND HAY,

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E. B. OWENS & CO., Provisions and Grain BALTIMORE, MD.

Sell on Track West and to Arrive.
Fine Storage Cellars for Meat and Lard.
Handle all kinds of Grain.
Liberal Advances on Consignments.

REFER TO Western National Bank, Baltimore; Citizens' National Bank, Baltimore; Wm. Ryan & Sons, Dubuque, Iowa; Whitmore Bros., Quincy, Ill.; Bloomington Pork Packing Co., Bloomington, Ill.

WM. GRIFFITHS. JAMES MARSHALL. GEO. E. DODGE.

GRIFFITHS, MARSHALL & CO. Grain Commission MINNEAPOLIS AND DULUTH, MINN.

Orders for Choice Milling Wheat Given Special Attention.

PATTERSON BROS. & CO., Commission Merchants

FOR SALE OF

WHEAT, CORN, OATS, RYE.

DEALERS IN

Seeds, Hominy, Grits, Steam Dried Corn Meal,
44 VINE ST., CINCINNATI.

ORDERS AND CONSIGNMENTS SOLICITED.

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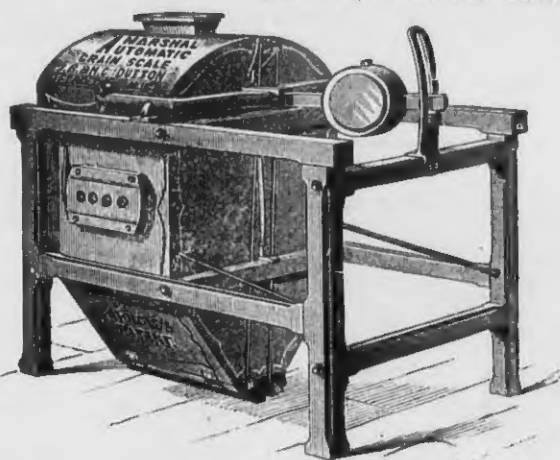
FLOUR, GRAIN, HAY AND RICE.

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Refers by permission to A. K. Walker, Esq., cashier First Nat'l Bank, Hall & Pearsall, Adrian & Vollers, Merchants, Wilmington; Robt. Carey & Co., New Orleans, La.; Geo. P. Plant & Co., St. Louis, Mo.; Martin & Bennett, Chicago, Ill.

Solicits Orders for Carolina Rice and Peanuts.

J. B. DUTTON IMPROVED AUTOMATIC GRAIN, FLOUR AND FEED



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Weights and Registers Absolutely
— Correct. —

MACHINES SENT ON THIRTY DAYS TRIAL

Our Automatic Register is the most perfect and simple Register in use. It is especially adapted for use by Flour Packers. It records up to 1,000,000, when it repeats the operation automatically.

Send for Circulars and Prices.

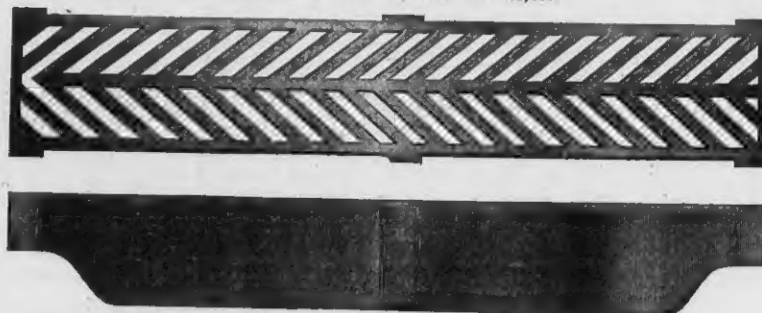
— THE —

J. B. Dutton Mfg. Co.

22 and 24 WOODWARD AVENUE, DETROIT, MICHIGAN, U. S. A.
[Please mention this paper when you write.]

Campbell's Patent Grate Bar

PATENTED AUGUST 1st, 1882. No. 261,830.



A LONG FELT WANT SUPPLIED AND THE USERS OF GRATE BARS MADE HAPPY.

FOR PRICES AND INFORMATION ADDRESS,

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- - THE ONLY MANUFACTURERS OF RAWHIDE BELTING IN THE COUNTRY. - -

THE CHICAGO RAWHIDE MFG. CO., MANUFACTURERS OF Rawhide Belting, Lace Leather, Rope, LARIATS, FLY NETS,

Picker Leather, Stock and Farm Whips, Washers, Horse Straps, Hame Strings,
Halters and other Rawhide Goods of all kinds.

BY KREUGER'S PATENT.

75 and 77 OHIO ST., Near Market,

Telephone No. 3403.

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GODEY'S LADY'S BOOK FOR 1885.

Sample Copy Fifteen Cents.

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A handsome Engraving to every Subscriber.

In Club with this paper, GODEY'S and the UNITED STATES MILLER, price \$2.50, which should be sent to the office of the United States Miller, Milwaukee, Wis.

MILL FOR SALE.

For Sale: One-half interest in a first-class 125-barrel Roller Mill. Has the latest improvements and doing a class of work that cannot be excelled in the State. Mill is situated in Southern Illinois, on Wabash Railroad, and in a good wheat country. Party desiring to sell his interest is obliged to go to Europe. The complete mill will be sold if desired. Address for full particulars, H. P., care Garden City Mill Furnishing Co., Chicago, Ill.

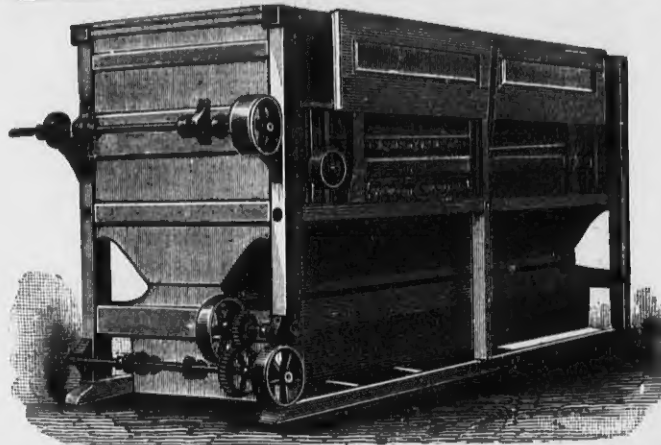
Mineral Wool Sectional Coverings!

FOR STEAM PIPES AND BOILERS, GAS AND WATER PIPES.

Made in sections three feet long, to fit every size pipe. Also in suitable sheets to fit any Boiler Dome, Drum or Tank. The best non-conductor, absolutely Fire-Proof, will not Char, Crack, Burn or Powder. The cheapest and best. Easily applied or removed by any one. Also, Mineral Wool in bulk, for deafening and packing, constantly on hand. Send for Circulars and Price List.

MANUFACTURED BY THE

WESTERN MINERAL WOOL CO., CLEVELAND, O.



—THE— Advance Shake FLOUR BOLT.

Better than the Centrifugal or Old-Fashioned Bolt in every part of the mill.


No forced bolting in this Machine, but a sliding action of the chop which tails the impurities over instead of driving them through the cloth.

No Machine built can begin to equal the work of the ADVANCE.

This is no clap-trap or hoax, and if any miller is about to build or remodel, it would pay him to go a thousand miles to see this machine and its work.

Be sure and write for particulars and circulars.


PARKER, BLOOD & TOWER, - - LAINGSBURG, MICHIGAN.



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is the original round cornered Elevator Bucket and its shape is broadly covered by a foundation patent.

All buckets of the same shape, though produced by a different process, trespass upon our rights, and render dealers and users as well as manufacturers liable for damages.

AVOID INFRINGEMENTS.

All legitimate "Salem" Buckets are plainly marked with the word **SALEM**.



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THORNBURGH & GLESSNER, Gen'l Agents, CHICAGO.

COLUMBUS

BUGGY & COMPANY,

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Buggies, Surreys

PHAETONS,

Park Wagons, Light Carriages.

Our work is fully Guaranteed and absolutely reliable.

BEST FOR LIVERY SERVICE!
FOR FAMILY SERVICE!
For PLEASURE DRIVING

POINTS OF SUPERIORITY:

Superior Material and Workmanship, Fine in Finish, Easy in Riding Qualities, Light in Draft,

Unsurpassed in Durability,

Cheapest for Quality of Goods in the World.

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These new instruments (see out) are emphatically superior to all others for all lines within a mile. They embody all the latest improvements, work splendidly in all kinds of weather, and are great favorites with business men.

PRICE PER SET, \$7.50 Send for

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UNITED STATES MILLER.

E. HARRISON CAWKER, EDITOR.

PUBLISHED MONTHLY.

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To American subscribers, postage prepaid..... \$1.00
To Canadian subscribers, postage prepaid..... 1.00
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Bills for advertising will be sent monthly, unless otherwise agreed upon.

For estimates for advertising, address the UNITED STATES MILLER.

[Entered at the Post Office at Milwaukee, Wis., as mail matter of the second-class.]

MILWAUKEE & CHICAGO, DEC., 1887.

We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER. You will thereby oblige not only this paper, but the advertisers.

MINNEAPOLIS is not only noted for its flour and saw mills, but also of late for its pugilistic "mills."

KANSAS MILLS have made nearly three millions barrels of flour during the present year.

ST. PAUL, Minn., has added improvements to the value of \$11,543,314, during the year 1887, according to the figures of the *Pioneer Press*.

MILLERS in the United States generally have reason to feel thankful that the year closes with better present business, and brighter future prospects than it began.

MILLFURNISHERS have done a fairly good business during the year 1887, and some report an increase of fifty per cent. over 1886.

MANITOBA farmers, it appears, will never tire of telling stories about their big wheat yields this year. Some claim to have raised as high as seventy-five bushels to the acre. Really, this must be taken "*cum grano salis*."

A NEAT match box consisting of a tiny steel seamless elevator bucket attached to a strip of belting, is one of the trade souvenirs we have recently received from the Avery Bucket Co., Cleveland, O.

THE Pope Mfg. Co., Boston, Mass., manufacturers of bicycles and tricycles, etc., have sent us an unique 1888 calendar. Write for one.

In these days the path of the bucket-shop keeper is strewn with thorns and it will not be long before the streets and alleys "that have known them will know them no more." So mote it be.

At the recent meeting of the Illinois Millers Association, Mr. Seybt of Highland, though loudly protesting against it, was unanimously elected a member of the Executive Committee of the Millers' National Association, to represent Illinois in that organization.

IMMIGRATION.—The total number of immigrants arrived in the United States from for-

eign countries other than the Dominion of Canada and Mexico, during the year ending June 30, 1887, was 490,106 against 334,200 during the preceding year, being an increase of 155,906, or 46.6 per cent. Of the total number of immigrants arrived more than 98 per cent. came from the countries of Europe.

THE CONTINENTAL LIFE INSURANCE CO., Hartford, Ct., has collapsed. Pres. Parsons is said to have gone to Canada with all the available assets. This is truly hard on the many persons who have been struggling for years to pay their premiums, so as to leave their loved ones provided for after their death. It is also injurious to all Life Insurance companies, no matter how sound their condition or how ably they are managed. It creates a feeling of distrust in the minds of the public. Congress had better provide for the inspection of all insurance companies by competent authority.

By the accidental blowing out of an automatic sprinkler head on the premises of the John Morris Stationery Co. at Chicago, a loss by water of some \$2,500 has been caused, and a similar mishap in the Pillsbury Mills at Minneapolis has done \$1,000 damage. In risks of this class and others in which water is as much or more feared than even fire, the value of the automatic sprinklers will be problematical, to say the least, until such time as some genius may devise means of absolutely preventing such accidents as well as turning off the water the moment when it is no longer needed.

F. PRINÉ'S Patent Improved Cockle Separator, advertised on another page, is meeting with remarkable success. A considerable number of them have recently been put in and they are found to be most excellent machines. They have been in practical use for more than two years, and are believed to be as good machines for the purpose as can be made.

A. J. BEGGES, Sec'y of the Board of Trade, Cleveland, O., furnishes us the following figures.

The receipts and shipments of cereals for 1885 and 1886 were as follows:

| | Receipts at Cleveland. | | Shipments at Cleveland | |
|-------------------|------------------------|---------|------------------------|--------|
| | RAIL. | LAKE. | RAIL. | LAKE. |
| Brls. Flour 1885. | 213,711 | 2,928 | 277,811 | 3,288 |
| do. 1886. | 224,497 | 41,212 | 344,334 | 5,650 |
| Bus. Wheat 1885 | 1,330,818 | 423,185 | 190,311 | 78,354 |
| " Corn do. | 782,006 | ..... | 455,166 | ..... |
| " Oats do. | 1,120,619 | ..... | 88,575 | ..... |
| " Rye do. | 9,000 | ..... | 1,550 | 23,000 |
| " Barley do. | 264,131 | 44,079 | ..... | ..... |
| " Wheat 1886 | 2,219,956 | 336,567 | 373,684 | 52,325 |
| " Corn do. | 1,094,731 | 8,000 | 696,281 | ..... |
| " Oats do. | 1,651,115 | 13,000 | 135,518 | ..... |
| " Rye do. | 10,500 | ..... | 3,500 | ..... |
| " Barley do. | 250,372 | ..... | 7,415 | ..... |

The figures for 1887 will not be available before Feb. 1, 1888.

NEVER was a truer paragraph penned than the following from a leader in the *N. Y. Commercial Bulletin* of Dec. 15, and the more you think about it, the more you will see in it to commend:

It is an unwise and short-sighted statesmanship which at this stage of the world aims to teach the industrial classes to rely

upon government beneficence rather than upon personal and individual independence in fighting the battle of life. Until mankind rid themselves of such statesmanship, they will never get rid of what is called paternal government, and until they get rid of paternal government, they will seek for freedom and independence in their highest and truest sense in vain.

HON. ALBAN CLARK, County Clerk of Green Lake County, Wis., in a pleasant letter to us not long since, wrote the following pithy sentence:

"My mother told me more than fifty years ago, that an honest miller was a perfect marvel, and that when one was found the dust from his coat was a perfect antidote for sore eyes."

NEWS.

DISSOLVED PARTNERSHIP, Waltman, Bros. & Co., millers at Rockford, W. T.

THE flour and feed store and warehouse of O. A. Ainsworth & Co., at Ypsilanti, Mich., burned Dec. 4. The safe had been blown open and there are other evidences that the fire was of incendiary origin. Loss \$10,000; partly insured.

BURNED, Dec. 7, the Buckeye Flour Mills, at Portsmouth, O., owned by Yaeger & Anderson. M. A. Anderson and Wm. Simpson were killed and four other parties badly injured.

BURNED, Clark, Heaton & Co's elevator at Clarks, Neb.

BURNED, Thos. Ault & Son's flour mill at Bellaire, O. Loss \$12,000; ins. \$6,500.

NOT BURNED, J. A. Yinglings mill at Seven Mile, O., was not burned as reported recently.

DEAD, Geo. Immethun, miller, at Breese, Ill.

SOLD OUT—L. K. Brooks' mill at Sweet Home, Oregon.

DISSOLVED PARTNERSHIP, Carroll & Morrison, millers at De Smet, Dak.

EDWARD THOMAS succeeds Charles C. Lee in the flour mill business at Palmyra, Mo.

A SUIT for the dissolution of partnership has been instituted by the members of the firm of Kratz, Washburne & Co., owners of mills at Portland and Rickreall, Ore.

BURNED, Montgomery Mill Co.'s flour mill at Montgomery, Ala. Loss over insurance reported to be \$30,000.

DISSOLVED, Oliphant & Co., millers at Medford, N. J.

BURNED, Dec. 6, Bemies Bro's. mill at North East, Pa. Loss \$8,000; insurance \$3,000.

BURNED, Dec. 8, D. H. McMillan & Bro.'s mill at Winnipeg, Man. Loss \$50,000; insurance \$12,000.

BURNED, Dec. 9, The City Milling Co.'s mill at McKeesport, Pa. Loss \$50,000; insurance \$35,000.

BURNED, Lay Bros.' mill at Quitman, Ark.

SOLD OUT, G. H. Thorp, Syracuse, Neb.

CLOSED UP, H. V. Line & Son's mill at East Springfield, Pa.

BURNED, Dec. 8, Guano & Raggio's macaroni factory in Philadelphia, Pa. Well insured.

BURNED, Dec. 13, John Ochser's mill in Waumaupee, Wis. Loss \$12,000; insurance \$4,000. Fire supposed to be the work of an incendiary.

BURNED, Dec. 11, Dunnewald & Hoopman's mill at Cedar Grove, Wis. Loss \$4,000; no insurance.

TELEGRAMS from Duluth, Minn., report that E. L. Sawyer, secretary of the Duluth Roller Mill Co., lately visiting Washington Territory, got away with \$50,000 of the company's money. Sawyer was engaged to the daughter of a wealthy St. Paul citizen.

SOLD OUT, J. I. Reed, miller at Half Way, Missouri.

CHANGED, Hinton Bros., millers at Falls City, Neb., is now Hinton & Son.



• 1887 MERRY CHRISTMAS. •

MERCHANTS PUBLISHING CO. 308 TO 318 DEARBORN STREET CHICAGO.
Published by E. HARRISON CAWKER.

• HAPPY NEW YEAR 1888. •

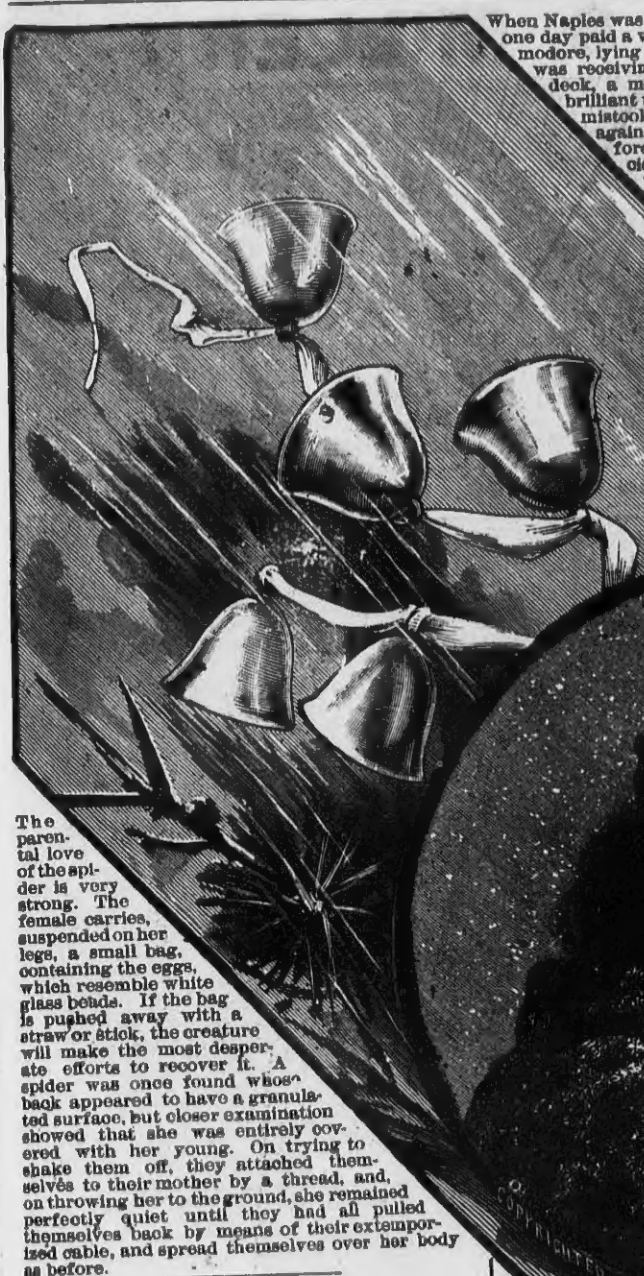


SANTA CLAUS' WELCOME TO THE WORLD, WITH COMPLIMENTS OF

THE UNITED STATES MILLER

124 Grand Avenue MILWAUKEE WISCONSIN

A Merry Christmas. + THE HOLIDAY MESSENGER. + A Happy New Year.



The parental love of the spider is very strong. The female carries, suspended on her legs, a small bag, containing the eggs, which resemble white glass beads. If the bag is pushed away with a straw or stick, the creature will make the most desperate efforts to recover it. A spider was once found whose back appeared to have a granulated surface, but closer examination showed that she was entirely covered with her young. On trying to shake them off, they attached themselves to their mother by a thread, and, on throwing her to the ground, she remained perfectly quiet until they had all pulled themselves back by means of their extemporized cable, and spread themselves over her body as before.

+ A Christmas Jingle. +

Merry Christmas! come again;
Peace on earth, good will to men!
Round the world the chorus ring,
Let all hearts rejoice and sing.

Merry Christmas! bells will ring,
Merry Christmas! all may sing
Merry Christmas! millions say,
Merry Christmas! happy day!

Merry Christmas! kindly day,
May all ill be cast away!
Hearts receive that matchless love
Christmas brought from Heaven above

Merry Christmas! blessing give!
Granting us each day we live,
Other lives to aid and bless
Bringing all true happiness.

Listen all to Christmas bells!
What a joy their music tells!
Gladdest day for every one;
All good deeds by all be done.

Whatever else you may do between now and Christmas be sure and see our beautiful novelties before buying any gifts for your friends or relations. Mind you, we do not say buy of us, we merely say see our attractions before you buy, and then do as you choose about the place you purchase. Of course we have our own ideas about what the result will be after you have carefully inspected our varied line of appropriate and pleasing gifts; but that need not in any way influence your choice. We are showing our attractions to all, with the understanding that we wish no one to purchase unless we make it to their best interests to do so.

When Naples was ruled by King Bomba, his majesty one day paid a visit to the ship of an English commodore, lying in the bay. While the commodore was receiving his royal guest on the quarter-deck, a member of the Neapolitan suite, in brilliant uniform, cruising about amidships, mistook a windsail for a pillar and, leaning against it, suddenly went below head foremost. The only witness of the accident, an old tar, thereupon made for the quarter-deck, and, having saluted, said: "I beg pardon, commodore, but one of them ere kings has fell down the hatch-way."

A letter carrier at Montgomery, Ala., delivered a letter a few days ago that was written in 1850. The woman who wrote it is still alive, but her husband, who forgot to mail it, is dead, lucky for him.

Our selections of Holiday goods this year were made under especially favorable circumstances and there is no doubt in our minds that we have an assortment that will please you in every way.

It only remains for you to call and see them in order to secure some very desirable Christmas goods at fair prices. If we could say something in a brief manner which would insure a visit from each reader without fail, it would be quickly spoken, and then no further mention of the subject would be made in this paper. We wish it remembered that we are not publishing a paper with the idea that anything said in favor of our goods will increase their value in the buyers' eyes, neither do we like to speak boastfully of our stock, but we want every reader to see it, and to that end we mention FACTS in its favor, for the sole purpose of calling in visitors. Once at the store, we will let our goods and prices do the necessary talking to make buyers of you.

"Smart! He's the smartest drummer you ever met anywhere. Why, he's smart enough to sell suspenders to a dog." The listener nodded his head at this assertion, and the conversation was ended, when presently a lonesome-looking individual on the opposite side of the car remarked: "It don't take a very smart man to sell suspenders to a dog." Even the sleepy passengers were aroused at this startling remark, and the first speaker asked in some surprise "Why not?" "Because it don't." "What would a dog want of suspenders?" "To keep up his pants," softly replied the stranger. And the brakeman sighed so loud as to crack the lamp chimneys.

The exact state of affairs brought about by arsenic eating is a diminution of the strength of the blood; the capillary blood vessels are stopped from working; the ends of the blood vessels are killed; no blood is supplied to the skin, and the real reason for the white transparent nature of the skin is that it is practically dead. The result of arsenic eating is the highly transparent state of the skin, caused from the killing of blood vessels.

The gold held by the Treasury in its vaults at Washington weighs 519 tons. If packed into ordinary carts, one ton to each cart, it would make a procession two miles long, allowing twenty feet of space for the movement of each horse and cart. The silver in the same vaults weighs 7,398 tons. Measuring it in carts, as in the case of the gold, it would require the services of 7,398 horses and carts to transport it and would make a procession twenty-one miles in length.

THEY TOOK IN BOARDERS.—Some years ago a missionary who was visiting in one of the noble old houses in East Broadway, now given up to the poorest of the poor, found four families living in one big room; a chalk line marked the division, each family having one corner. He asked one of the women how they managed to exist in such close quarters.

"Sure, sir, we would get along all right if the family in that corner didn't take in boarders."

WHAT the American heiress wants is quality, and what the English nobleman wants is quantity.

According to the latest fashion intelligence, the dressmaker calls loudly for her "moire."

One of our belles who is wooed and will soon be won embroidered a motto for a present to the family parlor. It was a scriptural text, and capable of wide application, but when it was done in worsted, its meaning was materially changed. Either from a natural confusion of ideas or a lack of proper punctuation, Miss —'s motto read as follows: "Walk in Love."

It is a fact, one that should be remembered that in buying this large and popular stock of Holiday goods we did not select such things as alone suited our taste, or would alone appeal to your ideas of the best. We bought on a broader basis, and made it a point to please everybody. Come in and see the great variety we offer, and you will be convinced that this is the popular stock.



CHRISTMAS BELLS

Parents and relatives are earnestly requested to bring in the children to see our beautiful display of Christmas gifts. We hope every little child in this vicinity may be allowed a peep at the hundreds of pretty and curious novelties which are especially chosen to please childish tastes. You can give no greater enjoyment to any little boy or girl than to allow them the privilege of seeing and enjoying our beautiful display. Older people will be fully paid for their trouble by witnessing the delight of the little folks, but aside from that an inspection of our stock will afford them much pleasure as we are showing a large assortment of beautiful gifts for older people. Come everybody, all are welcome and none are obliged to buy.

+ Words of Wisdom. +

No one loves the man whom he fears.
Mildness of address and manner is by no means an unimportant seasoning to friendship.
If you are terrible to many, then beware of many.
Not by years, but by disposition, is wisdom acquired.
Wish to be what you are, and consider nothing preferable.
The art of exalting lowliness and giving greatness to little things is one of the noblest functions of genius.
Let us help the fallen still though they never pay us, and let us lend, without expecting the usury of gratitude.
One of the original tendencies of the human mind, fundamental and universal, is the love of other people's private affairs.
The man to whom virtue is but the ornament of character, something over and above, not essential to it, is not yet a man.
Promise not twice to any man the service you may be able to render him; and be not loquacious if you wish to be esteemed for your kindness.
The bitterest tears shed over graves are for words left unsaid and deeds left undone. "She never knew how I loved her." "He never knew what he was to me." "I always meant to make more of our friendship." Such words are the poisoned arrows which cruel death shoots backward at us from the door of the sepulchre.

If you are troubled in the selection of presents give us a chance to assist you. Many find great difficulty in securing something which will be appropriate and truly desirable for certain of their friends; others are bothered because a limited purse seems to make it necessary to neglect some that certainly should be remembered. If either of these difficulties are staring you in the face come and see us. Our assortment contains something nice and desirable for everybody, while our prices are on a scale to put these nice goods within reach of all.

A NOVEL INVENTION FOR SAILORS.—To sail against the wind without much tacking about has hitherto been impossible, but an invention by Baron von Schlieben, of Berlin, Prussia, pretends to render it not only possible but very easy. He has applied for patents from all maritime powers for his "wind-wheel" to propel vessels of any kind by wind of any direction. There are two vertical wheels attached to a horizontal shaft fastened to the deck, fore or abaft as the mariner may desire. The two wheels are self-adjustable in a manner that always receive the full power of the wind. The horizontal shaft moves a vertical one which turns the propelling screw. The stronger the wind the quicker the vessel will go either with or against the wind in any direction maintained by the rudder. The wind-wheel can be used to produce electricity for lighting or other purposes. Vessels supplied with such a propeller will require neither sail nor masts. The management of the ship will be very little work, as the wind-wheel can be turned off by a lever movable with one hand.



What a little girl saw who staid up Christmas eve watching for Santa Claus.



We ask for an examination of our excellent line of Holiday Goods on its merits alone. We believe we can offer to you the bargain stock of the season in quality, style and price. If such is the case you will be glad to purchase of us and if you think after examination of our line you can do better elsewhere we recognize your privilege to do so. It is our business to show goods and we are glad to offer them to all, leaving it to their own inclination as to whether they wish to buy or not.

WHAT AILED THE NEGRO.—The attention of the passengers in a Texas smoking car was riveted on a strangely acting negro. He rooked himself from side to side without ceasing.

"What's the matter with you?" asked Andy Faulkner who was in the car.

"Does you know Dan McGray?"

"Of course I do."

"Well, sah, he sold me a silver watch for \$20," continued the negro, still swaying from side to side, "and ef I stops movin' dis beah way dis watch don't go no moah."

THE SENTRY'S CHOICE.—General Skobeleff, according to the story, was working one evening in his tent near the Danube, or near a pond, when a Turkish bomb dropped at the threshold of his tent. The General had just time to see the sentry outside stoop down and throw the shell into the water. Skobeleff approached the soldier, and said: "Do you know you have saved my life?" "I have done my best, General," was the reply. "Very well. Which would you rather have, the St. George's Cross or one hundred rubles?" The sentinel hesitated a moment, and then said: "What is the value of St. George's Cross, my General?" "What do you mean? The cross itself is of no value; it may be worth five rubles, perhaps, but it is an honor to possess it." Well, my General," said the soldier, "if it's like that, give me ninety-five rubles and the Cross of St. George."

NEXT THING TO IT.—Guest (to landlord): "I say, landlord, have you got such a thing as an encyclopedia about the house?"

Landlord: "No, sir, we have not; but there is a gentleman from Boston in the reading room."

+ The Snow Storm. +

Blow, blow; snow, snow,
Everything is white.
Sift, sift; drift, drift,
All the day and night.

Squealing pig, paths to dig,
Hurry out of bed,
Rub your nose, warm your toes,
Fetch along the sled.



Red cheek girls, wavy curls,
School house down the lane,
Fingers tingle, sleigh bells jingle,
Jack Frost come again.

Hurrah! hurrah! now for war;
Build the white fort high.
Steady aim wins the game,
See the snow-balls fly.

Setting sun, day is done,
Round the fire together,
Apples rosy, this is cozy,
Jolly winter weather.

ONCE AGAIN.

Another Christmas draws near, many stockings are soon to be suspended at the firesides of hundreds of homes in this immediate vicinity, and what shall they all be filled with? Which one of our readers has not already given more than a passing thought regarding what will be appropriate and desirable for those they wish to remember? While Christmas brings us many joys it generally forestalls them with innumerable perplexities. When one gives a present the natural desire is to have it appreciated not only as a token of regard but also for its beauty or utility as well, and so the generous and judicious gift maker finds himself or herself in a sea of troubled doubts over other people's tastes and preferences and has a realizing sense that there is more depth to a loving heart than there is to the purses of ordinary mortals.

Knowing all these things we feel that this stocking now hanging before the reader will be welcomed by all because it is filled with information which will make your selections of holiday gifts not only an easy matter but a delightful recreation as well.

This paper is your invitation to call and see our beautiful array of Holiday Goods regarding which too much favorable comment can scarcely be made. It is our purpose however, to say only enough to make sure of a visit from every reader between now and Christmas, as we believe our large line of elegant new goods will appeal to the taste and admiration of every visitor better than any words that might be spoken in praise of the display.

Never before have we been able to show so many entirely new novelties in handsome and appropriate gifts. Each year great advances are made in manufacture of goods in our line, but this season the improvement is particularly marked and the new productions for the Holiday trade of 1887 are marvels of ingenuity, finish and beauty, which everybody should see.

Another fact worthy of note is that our new stock is made up entirely of careful and judicious selections and is in every sense of the word a POPULAR STOCK and exactly the class of goods that will please all buyers of truly desirable Christmas gifts. We are making one uniform low grade of prices throughout the entire assortment, and every customer will be sure to find not only true value for every dollar spent but a pleasant surprise to see how much a limited amount of money will accomplish in gift making if selection is made from our line of popular goods at popular prices. And now as our stocking is nearly filled we wish to utilize the little space that we have reserved for that purpose right down here in the toe and thank you for your kind attention, wish you all a Merry Christmas, and cordially invite you all to come and see us soon.

Truly Yours,

+ A FABLE. +

"It's very cold," said a little Christmas Tree out in the forest, one windy December day; though I'm fir from head to foot I'm all in a shiver." "You will be warm enough before long," said the Old Oak. "I've seen the woodman looking at you a good many times lately."

"I know I've branched out a good deal for myself the past year," said the little tree proudly, "and I should not wonder if Santa Claus were very well satisfied with me when I come to be all dressed up for a Christmas party."

"Ho, Ho, Ho!" laughed the Old Oak, "you and your family are too green, you should have put on brown, dingy jackets like the rest of us. Then you might live to a good old age as I shall."

Just then the woodman appeared and the sound of an ax rang out on the frosty air. "Well," cried the little Christmas Tree, as it was borne away, "it's a great honor to be chosen so I will be bright and pretty while I can, for Christmas comes not once a year but once in a life-time for me."

"Susan," said a fond husband to his wife, "what were the current expenses last month?" "Oh, hubby, dear," replied Susan, "only twenty-eight cents." "Why, how's that?" "Well, you see I only baked cake twice, and therefore used but very few currants." Perhaps it was Susan, as the story goes who was given a little memorandum book and instructed to keep a detailed account of the household expenses. At the end of the first month her husband asked to see the book. On one page was written: "Received of George \$40.00," and on the other, "Spent it all."



"When Christmas cheer makes bright the loneliest cot."

TENDER PASSAGES.—Alc (tenderly): Yes; when it's done again you must really see the Blondin Donkey!" She (sincerely): "I will. I'll look out for it, and when I do see it, I will think of you."

MISUNDERSTOOD.—Cont. Editor: "Here is a manuscript I wish to submit." Editor (waving his hand): "I am sorry. We are full just now." Contributor (blandly): "Very well; I'll call again when some of you are sober."

LIKED A COCKADE.—Barber: "Bay Rum?" Granger (whose shave has been supplemented by an application of the powder puff-ball): "No, I'm temperance; but, friend, if you'd jest 's lieve pass that air cockade over my face agin you'd oblige me."

+ OUR DUTY. +

We wish to say a word to all grown people about the observance of Christmas. Do not let it pass without some act of generosity and kindly remembrance on your part. The little folks need no urging to make the most of the occasion as it is the brightest spot in the sunshiny places of happy childhood, but older people are apt to grow indifferent and cold hearted, and if they do anything at all about Christmas it is accomplished with so much apparent effort and such a lack of true interest and enjoyment that they chill and dispirit every one they come in contact with. Throw off the lethargy of age this Christmas and be children again all of you. Take part in a tree, festival or entertainment of some sort and enter into preparations for the affair cordially and heartily. Make just as many presents to both children and old people as you can possibly afford and our word for it you will feel better hearted, brighter and happier than you have for months. There is no tonic for low spirits like "Merry Christmas" and you can enjoy it if you will.



THE TWO
+ LITTLE +
STOCKINGS.

TWO little stockings hung side by side, Close to the fireplace broad and wide. "Two!" said Saint Nick, as down he came Loaded with toys and many a game. "Ho, ho!" said he, with a laugh of fun, "I'll have no cheating, my pretty one, I know who dwells in this house, my dear. There's only one little girl lives here." So he crept up close to the chimney place, And measured a sock with a sober face. Just then a little note fell out And fluttered low like a bird about, "Aha! what's this?" said he, in surprise, As he pushed his specs up close to his eyes, And read the address in a child's rough plan. "Dear Saint Nicholas," so it began: "The other stocking you see on the wall I have hung for a poor girl named Clara Hall. She's a poor little girl, but very good, So I thought, perhaps, you kindly would Fill up her stocking, too, to-night, And help to make her Christmas bright. If you're not enough for both stockings there, Please put all in Clara's, I shall not care." Saint Nicholas brushed a tear from his eye, And, "God bless you, darling," he said with a sigh. Then, softly he blew through the chimney high, A note like a bird's, as it soars on high. When down came two of the funniest mortals, That ever were seen this side earth's portals. "Hurry up," said Saint Nick, "and nicely prepare All a little girl wants where money is rare." Then, oh, what a scene there was in that room, Away went the elves, but down from the gloom, Of the sooty old chimney came tumbling low, A child's whole wardrobe, from head to toe. How Santa Claus laughed, as he gathered them in And fastened each one to the sock with a pin, Right to the toe he hung a blue dress, "She'll think it came from the sky, I guess," Said Saint Nicholas, smoothing the folds of blue And tying the hood to the stocking too.



When all the warm clothes were fastened on, And both little socks were filled and done, Then Santa Claus tucked a toy here and there, And hurried away to the frosty air, Saying, "God pity the poor and bless the dear child Who pities them too, on this night so wild." The wind caught the words and bore them on high Till they died away in the midnight sky, While Saint Nicholas flew through the joy air, Bringing "peace and good will" with him every where.

A Merry Christmas. + THE HOLIDAY MESSENGER. + A Happy New Year.



Santa + Claus + and + his + Friends



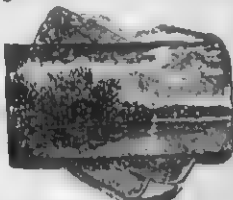
THE QUEEN OF DREAMLAND.



HIS FIRST CHRISTMAS.

If you know the value of an opportunity to select Holiday Goods from an unbroken stock,—and we think you do,—come early and view our unparalleled display. Every conception which has taken shape in these goods is included in our stock. Everything is fresh from the cases and free from the soil of many handlings. Let us advise you to come and make your selections forthwith.

"Pretty as a picture" is a very common expression and undoubtedly it will be applied more than once this season to our elegant display of Christmas goods. We wish it understood by every reader,



however, that it must be a very beautiful picture that will be allowable as a degree of comparison for this brilliant array. In fact, we can not imagine anything that would make a more pleasing feast for the eye than a faithful illustration of our bright, new goods. But as no artist could do the subject justice, it will be necessary for our readers to make a visit in person to our store in order to enjoy the bright and harmonious reality which we have carefully arranged for the pleasure of all lovers of the beautiful who oblige us by calling.

A little girl was not feeling well, and her parents suggested that she might be about to have the chicken-pox, then prevalent. She went to bed laughing at the idea, but early the next morning went into her parents' room, looking very serious, and said:

"Yes, it is chicken-pox, papa; I found a feddard in the bed."

"Yes, my hands are soft," said a conceited young fellow the other night in a small company, as he admiringly looked at those useless appendages that had never done a day's work.

"Do you know how I do it?" he exclaimed proudly. "I wear gloves on my hands every night to sleep in."

"Do you sleep with your hat on also?" asked a pert young woman.

And the young fellow replied in the negative, and looked wonderingly because the company smiled.

A WORD ABOUT PRICES.—We are not running our business for charitable purposes but to make money. You all know that without being told, but perhaps you do not know that our idea of making money differs somewhat from the methods of a great many people. We prefer to make many sales with a small profit on each instead of only now and then one at an enormous profit; the reason for this is that we think that we make more money in the long run by selling close. Now we propose to sell a very large quantity of Holiday goods this season, we shall make the usual concession that is always necessary to move out an overlarge stock—the prices will be right—we are making it an object for people to buy of us and in saving money for them we are making money for ourselves. Come in and see how nice the plan works all around.

Two men in a street-car. A woman enters, and one of the men hastily gives her his seat. The other one looks on in astonishment, and when the woman gets off, says—

"You are growing strangely polite."

"How so?"

"Why, you gave that woman your seat just now. I never saw you do anything of the kind before. You must have been struck by her appearance."

"Oh, no. You see, I owe her husband a little bill, and she knows who I am."

The prevailing style of architecture is growing so in popularity that druggists are now selling Queen Anne pills.



Just as a beautiful landscape looks the brightest and best in the early morning, so it is with our Holiday stock. It must be seen early to be enjoyed at its best. We urge our friends and prospective customers not to put off their holiday shopping until the last mad rush when stocks are broken, stores overcrowded and salesmen too busy to give you proper attention. Drop in at once and view our beautiful Christmas gifts leisurely and at your ease. Have plenty of time to make a careful and satisfactory selection from a full line of bright, new goods. Nothing can be gained by waiting, but everything favors the early buyer. While we shall make every effort to replenish our stock there will be of necessity many choice articles which will go to fill early demands and which it will be impossible for us to duplicate again this season. Come now while the extra nice goods are still at your disposal.

Smith and Jones were dining at the restaurant the other night. The lamb that they had jointly ordered was particularly tough. Jones called the waiter.

"What is this meat you have given us?"

"Lamb, sir."

"You are very sure it's lamb and not sheep?"

"H'm! Oh, yes, I see. A case of second childhood, probably!"

"Talk about your young Napoleons of finance," remarked Mr. Apptimes Cauldback of Horseheads, New York. "You'd orter seen me when I was down to York."

"Make a stake on the street?" Inquired a neighbor, of speculative tendencies.

"Billed if I didn't, Ezzy, billed if I didn't. Got my shoes shined in front of the Equitable buildin', boy couldn't change a \$1 bill. I moseyed in to get it busted, walked right through th' house ter Nausea street, and then run all th' ways ter th' Gran' Central Jest ketched my train. No flies on me, Ezzy."

We are born for a higher destiny than earth; there is a realm where the rainbow never fades, where the stars will be spread before us like islands that slumber on the ocean, and where the beings that pass before us like shadows will stay in our presence forever.

Our new Holiday stock recommends itself to those who are seeking for really practical and useful presents for their friends. We have made it a point to be well supplied in this particular and we do not believe there is any person young or old who would not find practical use for dozens of articles we offer for sale. Come to headquarters for useful or ornamental gifts at lowest prices.

Presenting a modest man with a gold-headed staff often appears like a case of shyocanery.



A Merry Christmas. + THE HOLIDAY MESSENGER. + A Happy New Year.



THE MILLER'S PRETTY DAUGHTER.

CAWKER'S AMERICAN FLOUR MILL AND GRAIN ELEVATOR DIRECTORY FOR 1888 is now in course of preparation and will be ready for delivery in February, 1888. The publisher (E. Harrison Cawker, No. 124 Grand avenue, Milwaukee, Wis.) desires all flour mill owners to send him their correct name and postoffice address, with the capacity in barrels of flour per day of 24 hours and to state whether they use steam or water power or both, or rolls or millstones or both. Elevator owners are desired to send elevator capacity and number of elevators owned by the firm. Full replies will be of benefit to the entire trade.

PUBLICATIONS RECEIVED.

HARPER'S MAGAZINE for the first month of the new year shows the determination of its Editor to keep the periodical up to the highest point of excellence in every respect. Among his contributors are William Black, William Dean Howells, Archdeacon Farrar, Henry Watterson, the Rev. Dr. Van Dyke, Theodore Child, Charles Dudley Warner, J. S. Farrer, Amélie Rives, M. E. M. Davis, Nora Perry, and I. W. Avery. Harper & Brothers' large corps of careful engravers and artists contribute excellent specimens of their handiwork for this Number.

The illustrations in **HARPER'S** (New-Year's) **MAGAZINE** may properly be called high art, clearly cut, and carefully printed. Muller, G. E. Johnson, and Closson have engraved a number of pictures on sacred subjects in a noteworthy manner. Perhaps the best work in the Number is the series of process illustrations of "French Sculpture," in the article on the topic. As "black-and-whites" they are really remarkable. The cuts of tombs in Westminster Abbey will also attract attention.

In the January number of **THE AMERICAN MAGAZINE**, Wm. H. Rideing will have the first paper of a series on Boston Artists and their studios reproducing some of their paintings and showing their distinctive styles of art. Joaquin Miller contributes a remarkable poem "Twilight at Nazareth." Edgar Fawcett's "Olivia Delaplaine" is continued and deepens in interest. Cape Breton Island, a secluded region likely to become of interest in the near future, will be described in an illustrated article by F. M. Endlich. This Magazine is steadily growing in popular favor.

We have received from the Secretary of the Chamber of Commerce, Pittsburgh, Pa., a copy of "PITTSBURGH'S PROGRESS, INDUSTRIES AND RESOURCES" by Geo. H. Thurston and pamphlets containing a lecture on "NATURAL GAS" by Kurt Sorge of Osnabruck, Germany, and Geo. A. Kelly's report on "American Shipping."

READERS of Mr. Robert Louis Stevenson's books will be glad to know that he will contribute to each number of **SCRIBNER'S MAGAZINE** during the year 1888. He will write of many topics, old and new, and in a familiar and personal way, which will form new bonds of friendship between the author and his thousands of readers. In the first of the series, entitled "A Chapter on Dreams," he tells some interesting facts concerning the origin of the famous story "Dr. Jekyll and Mr. Hyde." This paper will appear in the January number.

"**THE ART AMATEUR**" December and January numbers are just at hand and surpass all previous efforts in the way of fine illustrations and beautiful letter press. We have not space at our disposal at present to attempt to refer to any of the many good specialties in these numbers. It is published by Mr. Muntague Marks, 23 Union Square, New York, and sold for 85 cents per copy.

WIDE AWAKE 1888. The readers of this wonderful magazine for young people are so

accustomed to good reading and pictures that they will wonder how it is going to be better than ever this coming year. But it is.

The new year has already begun with the holiday number just out—a truly great number, larger and richer, more varied, and therefore it must be better than ever before. And the publishers have a primer to send to those who want to know what **WIDE AWAKE** is going to have in it in 1888.

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"**THE GEO. T. SMITH CENTRIFUGAL BOLTING SYSTEM, CENTRIFUGAL REELS AND PURIFIERS**" is the title of a neat 96 page cloth bound book recently issued by the Geo. T. Smith M. P. Co. of Jackson, Mich. It explains minutely everything of interest indicated by the title of the book. It concludes with a department entitled "The World's Verdict" in which is given short extracts from users of the Company's machine in all parts of the civilized World. Miller's interested should send for a copy which they can obtain free of cost, but it would be courteous to enclose a ten cent stamp to pay postage.

THE WARREN M'G CO.'S elevator at Warren, Minn., with 30,000 bushels of wheat, burned Dec. 13. Partially insured.

DISSOLVED, Meisser & Whyners, millers, Ursa, Dak.

BURNED, Rogers & Bastian's mill at Carlisle, Ky.

BURNED, David Simpson's mill and gin, near Cochran, Ga.

DIED, Dec. 4, Peter Borberger, miller, of Litchfield, Ill., at the age of 70.

W. B. WILLS is about to start up a new and large feed mill at Manahawkin, N. J.

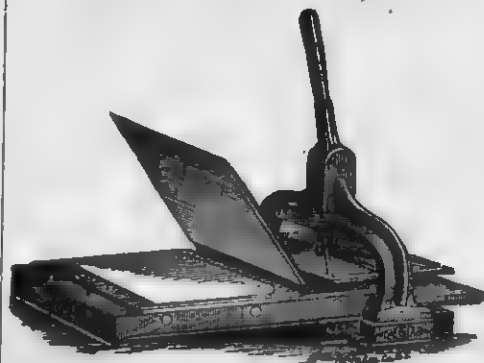
MESSRS. F. PRINZ & CO. of this city, have recently sold the Prinz Improved Cockle machine to the "Reliance," "Jupiter" and "Gem" mills in Milwaukee.

ITEMS OF INTEREST.

RICE VERSUS OATMEAL.—The *Boston Record* informs us that rice is taking the place of oatmeal in America, and that oatmeal is not approved by most thinking hygienists. We are also told that rice is a more easily digested, nutritious, and withal amiable food than oatmeal. This is newspaper chemistry, which generally is wrong. There may be objections to oatmeal; but to say that rice is more nutritious is simple nonsense. Oatmeal only lacks fat to make a perfect food, and this can be readily added by butter. Rice on the other hand, lacks not only fat but all albuminoids. See the analysis of the two. Oatmeal contains a higher percentage of albuminoids than any other grain, viz: 12.8, that of wheat being 10.8, and of rice none; and less of starch, 58.4 as against 66.3 in wheat and 86.9 in rice. It has rather more sugar, 5.4, wheat having only 4.2, and a good deal more fat, viz: 5.8 against 2.0 in flour, and in rice 0.8. Lastly salts amount to 3.0 in oats, but only 1.7 in wheat, and 0.9 in rice. As the value of a food depends entirely upon its albuminoids, it is clearly seen that oatmeal is infinitely superior to all other cereals.—*American Analyst*.

It is a fact not generally known, but a most important one for the making of tea—that boiling water loses its virtue the longer it is kept on the fire. The proof of this may easily be seen. If fresh cold water be used, the first time it comes to the boil it will lift the lid off the kettle, and conduct itself in a most uproarious manner, boiling over and trying to put out the fire. It is when in this state that it is good for making tea. If you put it on the fire again, you will find you cannot get it to boil over a second time, still less a third; and if you make tea as servants often do, with water that has been simmering for hours, your tea will be wretched stuff, not fit to drink.

BLEACHING FLOUR.—It is known that flour that has been bleached by any means will make a whiter bread, will look whiter in the dust than fresh ground flour and that has not been artificially dried. The fact is clearly emphasized by the experience of many cooks who will set a pan of flour on the back end of a stove where it will merely get quite warm for some time before it is made into bread. The bread is perceptibly whiter, and by such cooks this performance is regarded as a great secret. Many efforts have been made to artificially dry, or bleach and age flour. No great success, however, has attended these efforts; the process is too slow, takes too much machinery and too much manipulation to make it profitable. At this time, however, experiments are being made with a view to drying flour in this way. In some instances this may grow to be a distinct business. Flour will be purchased from the country mills, and in some instances it will be rebolted, but in any case it may be bleached. Various means are being tried; one is to spread the flour over a wide belt, or band of cotton cloth, and pass it through a warm room; another method is to merely allow it to pass through a warm room, to blow it into that room and draw it out through a hopper. The temperature is to be accurately graded so that the vital qualities of the flour are not affected. As yet nothing has developed which looks like a business, though mechanically great results have been accomplished—that is, the flour has been made perceptibly whiter and of more value. The great thing to do is to have the process so complete that it will not require the great care and attention which now makes the work so expensive.



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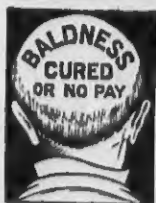
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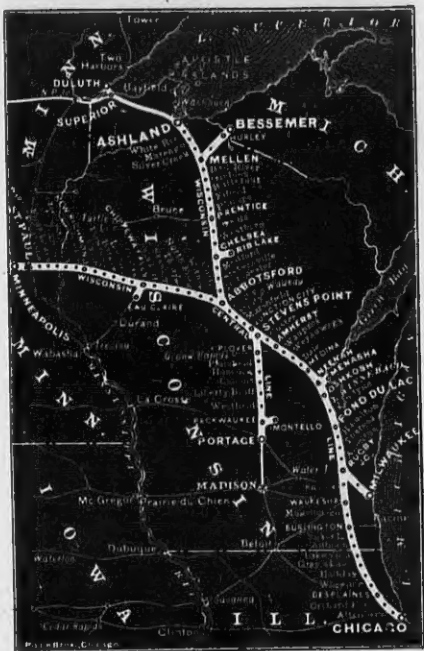
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The Milwaukee, Lake Shore & Western Railway has been well named the Fishing and Hunting Line of Wisconsin, passing, as it does, through thousands of acres of but partially explored woods and within easy reaching distance of lakes and streams that have never been fished by white men, all well stocked with the game fish for which Northern Wisconsin waters are noted. The woods abound with game; deer, bear, wolf, mink, beaver, pheasant, and other game are quite plentiful.

THE ONLY LINE

From Milwaukee to the new Iron Mining District in Wisconsin and Michigan that reaches ALL of the developed Mining towns: GOGEBIC, WAKE-FIELD, BESSEMER, IRONWOOD AND HURLEY. Direct line to ASHLAND and DULUTH. Sleeping cars between ASHLAND and CHICAGO. The GUIDE BOOK, and other descriptive matter, containing full information, maps and engravings of the country traversed by the line, will be sent to any address on application to the General Passenger Agent.

CHAS. L. RYDER, Gen. Agent, 105 Washington St., Chicago.
 City ticket office, 62 Clark St., Chicago.
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 MILWAUKEE WIS.

Milwaukee & Northern R. R.

SHORT LINE

BETWEEN

CHICAGO, MILWAUKEE,
Menasha, Neenah, Appleton,
Depere, Green Bay, Ft Howard,
Marinette, Menominee,
IRON MOUNTAIN.

EXPRESS TRAINS DAILY
 EACH WAY
 BETWEEN
Chicago, Milwaukee,
Appleton and Green Bay.

EXPRESS TRAINS DAILY
 EACH WAY
 BETWEEN
CHICAGO, MILWAUKEE,
Menominee and Iron Mountain.

Elegant Pullman Palace Sleeping Cars on all Night Trains

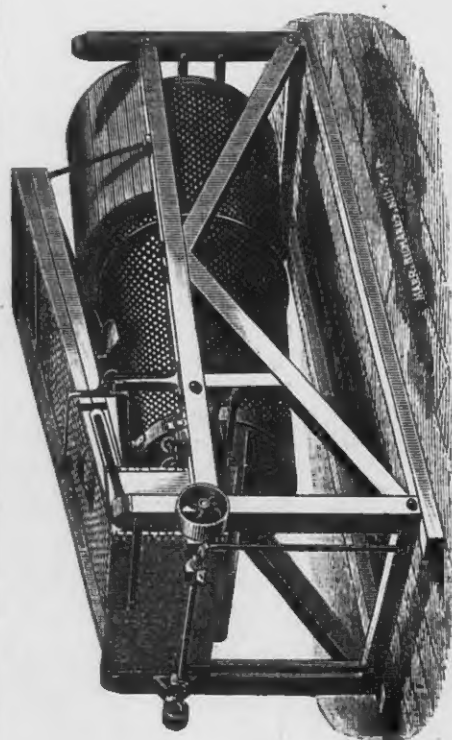
CONNECTIONS.

At Milwaukee, in New Passenger Station with C. M. & St. Paul R'y and Wisconsin Central Line.
 At Plymouth, with C. & N. W. R'y for Sheboygan, etc.
 At Menasha, with W. C. Line.
 At Neenah, with W. C. Line.
 At Appleton, with M., L. S. & W. R'y and C. & N. W. R'y.
 At Forest Junction, with M., L. S. & W. R'y.
 At Green Bay and Ft. Howard, with G. B. W. & St. P. R. R. and Stage and Boat for Sturgeon Bay.
 At Oconto Junction, with M., L. S. & W. R'y for Oconto.
 At Menominee, with C. & N. W. R'y.
 At Iron Mountain, with C. & N. W. R'y.

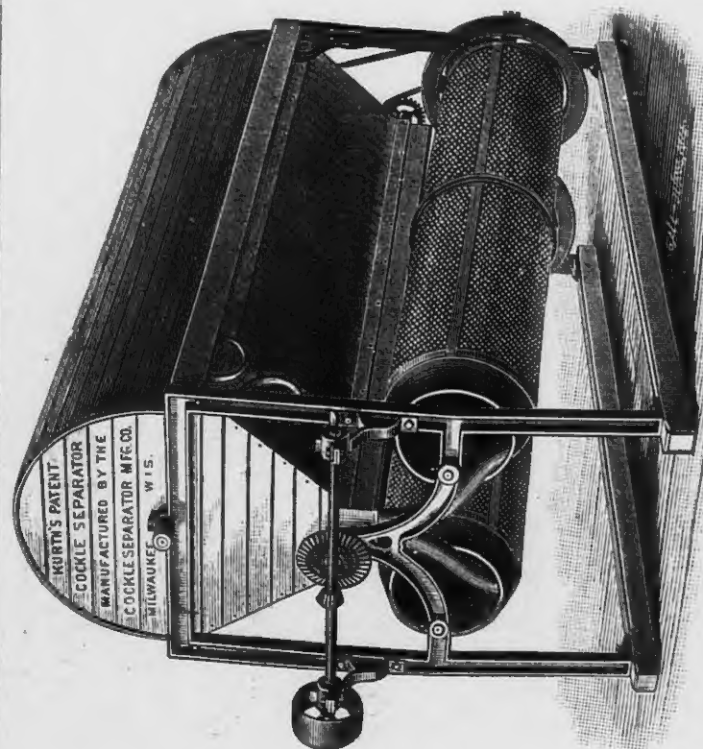
O. F. DUTTON, General Supt.
W. B. SHEARDOWN, Gen'l Ticket Agent.

KURTH'S PATENT COCKLE SEPARATORS

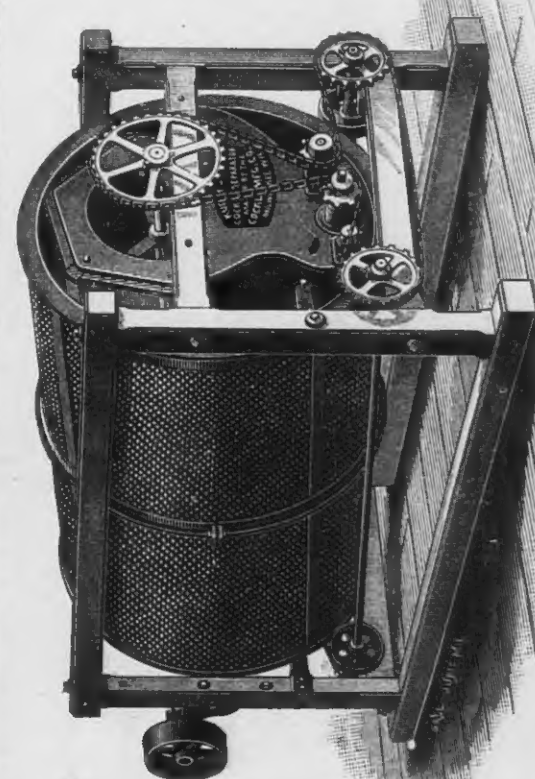
Machines Furnished in Three Different Styles for the Accommodation of our Customers.



STYLE X.



STYLE Y.



STYLE Z.

A FEW WORDS ON BEHALF OF THESE MACHINES:

Minneapolis, Minn., Oct. 3, 1887.
Gentlemen: Your inquiry regarding the work of your Cockle machines without the sieves and shaking device, I can say it is an improvement to do the grading before the wheat goes to the cylinder. The machines give us no trouble and we think they are making a good separation.
Very truly yours,
JOHN S. DODGE,
C. C. Washburn Flouring Mills Co.

Royalton, Minn., Oct., 19, 1887.
Gentlemen:
We have set up the Cockle machine and think it is doing very fine work. We paid your draft to-day.
Truly yours,
HILL & PUTNEY.
This was style Z machine.

Minneapolis, Minn., Oct. 28, 1887.
Gentlemen:
We are using two No. 0 Kurth Cockle machines, reconstructed, and are handling all the small wheat from 300 bushels per hour. They are doing more and better work than any machine we ever used.
THOS. L. CLARK,
Head Miller, Palisade Mills.

Minneapolis, Minn., Oct. 3, 1887.
Gentlemen:
Answering to your inquiry in regard to your Cockle machine, I must say since I have taken off the shaker and put on a grader your machine does very nice work and I am much pleased with it.
JOHN KRAFT,
Head Miller, Mill B, Washburn, Crosby & Co.

COCKLE SEPARATOR M'F'G CO., - MILWAUKEE, WIS.

THE UNITED STATES MILLER.

GEO. T. SMITH CENTRIFUGAL REEL

OFFICE OF

LINDEKE ROLLER MILLS,

WM. LINDEKE, *Proprietor.*

DEALER IN

Flour, Grain and Mill Feed.

St. Paul, Minn., November 25th, 1887.

The Geo. T. Smith Middlings Purifier Co., Jackson, Mich.:

GENTLEMEN—Yours received requesting me to write you in detail as to the working of my mill you built for me since first starting.

As you are aware, the contract called for a 150 bbl. mill per 24 hours, or 6 bbls. per hour. It has never turned out less than 7 bbls. per hour, and can easily be run to 200 per day.

The mill runs very light, requiring but little power. My straight flour with low grade out (being less than 5 per cent.) has in every case proved to be equal to the best patents made in this State. Yield is 4 bushels 24½ lbs. uncleaned wheat per barrel.

My straight flour has been tested a great number of times by different parties, as well as myself and expert bakers, and proves to be better than the average patents. We have never made but the two grades—low grade and straight.

The mill is a beautiful piece of workmanship, better than my contract called for, which called for everything we could think of, and I paid you more than the contract price, which should be evidence that I am more than pleased with the mill.

Very truly yours,

WM. LINDEKE.

Geo. T. Smith Middlings Purifier Co.

Canadian Shops, Stratford, Ont.

JACKSON, MICH.